NEW REVOLVING RULE FOR MEASURING LUMBER, &c.—A patent has recently been granted in America for the above purpose. The invention consists in a wheel of one foot in circumference, so arranged in a case as to have a portion of its periphery project beyond the case, and a portion of its face visible through a hole, the edge of which is graduated in the manner of the common lumber rule. The shaft of this wheel is geared with the shaft of a cylinder, so that the latter will make one revolution to thirty-six of the former, there being thirty-six divisions to indicate the number of revolutions made by the wheel; and the shaft of this cylinder is geared with another cylinder which makes twelve revolutions to one, to mark the number of revolutions made by the first cylinder. The scales on the wheel and cylinders are so arranged, as to give the superficial as well as the running measure. The name of the inventor is Charles Ross.

ROYAL BOTANIC SOCIETY, REGENT'S-PARK.—At a recent meeting of the society an announcement was made by the secretary, that the council had at length succeeded in completing the necessary arrangements for the immediate commencement of the conservatory, or winter garden, and had with this view entered into a contract with Mr. Turner, of Dublin, already known by similar works in progress, or executed by him for the Royal Gardens at Kew, the Earls of Derby, Aberdeen, &c. The building, the framework of which is upon the suggestion of Mr. Decimus Burton, under whose superintendence the works are conducted, to be constructed wholly of iron, was to be made available for the purposes of the society within the ensuing half-year.

NOTICES OF CONTRACTS.

[We are compelled by the interference of the Stamp Office to omit the names of the parties to whom tenders, &c., are to be addressed. For the convenience of our readers however, they are entered in a book, and may be seen on application at the office of "The Builder," 2, York-street, Covent-garden.]

For taking down part of the present County Gaol of Lincoln, and erecting a New Building on the site thereof, with airing yards and other requisites.

For building a school-room in London near the bridges.

For the erection of the Borough Gaol, Birmingham.

For the erection of a Building in London for a highly-patronized purpose, at the estimated cost of about 30,000*l.*

For the supply of 20,000 slow-grown Larch Sleepers, wanted by the Manchester and Birmingham Railway.

For the Alteration and Enlargement of the Union Workhouse at Whittlesey, in the neighbourhood of Huntingdon.

For the Erection of a Workhouse between Swindon and Highworth, Wiltshire.

For the performance of the necessary works in the construction of a New Dock in the Borough of Kingston-upon-Hull.

For repairing and keeping in repair for three years, from Midsummer-day next, the Cannon-street Road, Middlesex.

For Erecting a Market-house at Malmesbury, Wiltshire.

For a quantity of *proof chain* 2½, 1½, 1, ⅞, and ¾ inch, wanted by the Universal Salvage Company.

For the reparation of Ten houses in Hounsditch. The whole to be finished by the end of August.

For Lighting the Public Lamps within the City of London with gas, for the term of one year, from Midsummer-day next.

For Building Sewers in the east end of Tower-street, Harp-lane, and St. Mary Hill, and other places adjacent thereto, within the City of London.

For Building the Carcasses of certain first-rate Houses, with Shop Fronts, in the new line of Oxford-street, leading into Holborn.

For laying the Carriage-way of part of the Parishes of St. Giles-in-the-Fields and St. George, Bloomsbury, with Wood; also for supplying the same parishes with the best new squared Aberdeen, Mount Sorrell, and other Granite, and the best Eland Edge, Yorkshire, and other Foot Paving.

COMPETITIONS.

Plans, sections, and elevations for a Terminus, and other requisite accompanying offices, for the Great Southern and Western Railway, Ireland.

A premium of 30 guineas will be presented to the party offering the best plan of Docks, capable of admitting ships of 1,000 tons burden, to be erected at Burnham, in the Bristol Channel.

Designs for houses to be erected at Dover. The ground is nearly seven acres in extent, and lies on a gentle slope between the south-west boundary of Dover Castle and the town. A premium of fifty guineas is offered for the set that may be most approved of.

APPROACHING SALES OF WOOD, &c.

BY AUCTION.

The timber and other trees now standing upon the estate at Woodseaves, Salop. By order of the Lord Chancellor made in the cause "Dickin *v.* Barker."

At Mitchell's Farm, near Saffron Walden. A fall of 68 famous Oak, and six Ash timber trees with the top wood.

At Wiston Woods, near Nayland, Essex: all the Timber, Timber-like Trees and Saplings (consisting of Oak, Ash, Elm, Asp, Birch, and Cherry) arising from the Wood of 13 Acres called "Hills."

At Kersey, near Hadleigh, Essex: 130 Capital Oak Timber Trees, 70 Oak Standels, and about 30 Pollards, lying on "The Ivy-tree Farm."

At Earlsham, a quantity of oak, ash, elm, and poplar timbers. Oak, ash, elm, and other pollards, &c.

On the premises, West Harding-street, East Harding-street, Middle New-street, and Great New-street, Fetter-lane, the building materials of six houses, by order of the Goldsmiths' Company.

BY TENDER.

A Virgin Forest of Valuable Timber in Walachia. The principal part of the Trees is Oak. The said Forest may produce about 500,000 cubic feet of Timber.

MEETINGS OF SCIENTIFIC BODIES

During the ensuing week.

MONDAY, May 19. — *Statistical*, 11, Regent-street, 8 P.M.; *United Service Institution*, Whitehall Yard, 9 P.M.; *Chemical* (Society of Arts), Adelphi, 8 P.M.; *Medical*, Bolt-court, Fleet-street, 8 P.M.

TUESDAY, 20. — *Civil Engineers*, 25, Great George-street, 8 P.M.; *Pharmaceutical*, 17, Bloomsbury-square, 11 A.M. (anniversary).

WEDNESDAY, 21.—*Society of Arts*, Adelphi, 8 P.M.; *Microscopical*, 21, Regent-street, 8 P.M.; *Ethnological*, 27*a*, Sackville-street, 8 P.M.

THURSDAY, 22.— *Royal*, Somerset-house, 8½ P.M.; *Antiquaries*, Somerset-house, 8 P.M.; *R. S. Literature*, 4, St. Martin's-place, 4 P.M.; *Medico-Botanical*, 32, Sackville-street, 8 P.M.; *Numismatic*, Somerset-house, 7 P.M.

FRIDAY, 23.— *Royal Institution*, Albemarle-street, 8½ P.M.; *Philological*, 49, Pall Mall, 7 P.M. (anniversary).

SATURDAY, 24. — *Royal Botanic*, Regent's-park, 4 P.M.

TO CORRESPONDENTS.

"George's Pier Head, Liverpool."—*Two correspondents are anxious to receive intelligence of the 200l. premium offered for the best design for landing carriages and passengers.*

"W. P. G."—*Pressure of occupations would not allow us to comply with the request.*

"Building Societies."—*It is so long since the statement appeared to which Mr. Kerr's letter refers that we must decline renewing the subject.*

"Terra Cotta."—*Mr. Sharpe's letter relative to this material shall appear next week.*

"Pantasee."—*The plan he suggests is hardly practicable. In the case mentioned information may be obtained from William Taylor, 3, College-green, Dublin.*

"Henry Johnstone" *and* "Parker Ayers," *next week.*

Received.—"*The Journal of the British Archæological Association*," *No.* 1 *(Bohn), of which we shall speak shortly*—"*Dawn Island*," *a tale, by Miss Martineau, written for the Anti Corn-Law Bazaar*—*Mr. Spencer Hall's enclosure*; "*Plan for Improving the Condition of the Working Classes.*" — *John Weston*—*W. L. Short* — *John Workman.*

ADVERTISEMENTS.

Just published, price 5s., neatly bound in roan, with tuck, gilt edges, and lettered, a Pocket Edition of

A CYCLOPÆDIA of the NEW METROPOLITAN BUILDINGS ACT, together with the Act itself, a Folio Table of the Metropolitan Districts (old and new), a List of the Surveyors, with their Residences and Offices, and a Table of Fees to be paid to the Registrar for services performed.

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By the late A. BARTHOLOMEW, Esq., F.S.A., Architect, Surveyor of the Romney District.

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CHARLES LONG begs to inform his Friends and the Public, that he can now supply Ornamental Glass at 1s. 3d. per foot superficial, and having just built two of the largest Kilns in London, is enabled to execute extensive Orders with unprecedented dispatch, 1, King-street, Portman-square.—Terms, Cash only.

DUTY off WINDOW GLASS. — On April the 6th, Squares stouter and of better make than formerly for Glazing purposes at 6d. per foot.

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HIP TILES to suit slate roofs in colour; Ridges, with plain or rebated joints, roll tops, and vertical ornaments; drains, many sizes, with plain or socket joints; paving in squares, hexagons, octagons, &c., different colours; roofing, in Grecian or Italian styles, other devices also, or plain; conduits, which do not injure pure water; fire-bricks and tiles; clinkers, and out-door paving; sundry wall-coping, garden-borders, chimney-tops; also tubular and other flues of peculiar material. No agent, but a depôt at WHITEFRIARS, and 22, WATER-LANE, FLEET-STREET, LONDON, under Mr. PEAKE'S personal care, to supply genuine TERRO-METALLIC goods at fair prices as per quality.

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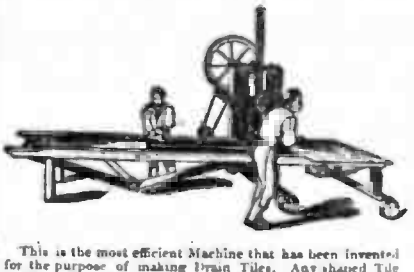
HATCHER'S BENNENDEN TILE-MACHINE, Manufactured and Sold only by COTTAM and HALLEN, Engineers, Agricultural Implement Makers, &c., 2, Winsley-street, Oxford-street, London.



This is the most efficient Machine that has been invented for the purpose of making Drain Tiles. Any shaped Tile can be made by merely changing the die, which can be done in a few minutes. It requires but few hands, viz., one man and three boys. With this amount of labour, the product of a day of 10 hours is as follows, viz:—

1 inch diameter of Tile, 11,000	1½ inches diameter of Tile, 5,000
1¼ " " " " 8,000	2½ " " " 3,500

See Letter of Thomas Law Hodges, Esq., in the "Transactions of the Royal Agricultural Society of England," page 551, part 2nd, vol. v.

The Machine is moveable down the drying-sheds, so that it requires no extra boys to carry the Tiles, nor are shelves required in drying. It has been in full operation for upwards of four months at Hempstead Park, near Cranbrook, Kent. No charge made for Patent dues or licence. The purchase of the machine includes free use of it.

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